

AMENDMENT UNDER 37 C.F.R. § 1.114(c)

U.S. Application No.: 09/844,679

Attorney Docket No.: Q64172

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

- 1. (currently amended): An organic electroluminescence element having a laminate of an anode, a hole injecting layer made of an organic compound and laminated in contact with said anode, a light emitting layer made of an organic compound, an electron transport layer made of an organic compound, and a cathode, wherein said light emitting layer is made of a carbazole compound and includes an iridium complex compound at a concentration of 0.5 wt% to 6 wt% more than 1 wt% and less than or equal to 1.7 wt% so as to satisfy a luminance half-life period of more than 4000 hours in a luminance half-life period characteristic of the organic electroluminescence element with respect to a concentration of the iridium complex compound in the light emitting layer made of the carbazole compound.
- 2. (previously presented): An organic electroluminescence element according to claim 1, wherein said iridium complex compound is tris(2-phenylpyridine) iridium.
- 3. (previously presented): An organic electroluminescence element according to claim 2, wherein said carbazole compound is 4,4'-N,N'-dicarbazole-biphenyl.
- 4. (previously presented): An organic electroluminescence element according to claim 2, wherein said carbazole compound is 4,4',4''-tris(N-carbazolyl) triphenylamine.



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5. (original): An organic electroluminescence element according to claim 1, further

comprising one or more layers made of a material including an organic compound and having a

hole transport capability, disposed between said anode and said light emitting layer.

6. (original): An organic electroluminescence element according to claim 1, further

comprising an electron injecting layer disposed between said cathode and said electron transport

layer.

7. (original): An organic electroluminescence element according to claim 1 further

comprising a hole blocking layer made of an organic compound between said light emitting layer

and said electron transport layer.

8. (original): An organic electroluminescence element according to claim 7, wherein said

light emitting layer includes an electron transport material having an ionization potential smaller

than said hole blocking layer.

9. (currently amended): An organic electroluminescence element according to claim 1,

having a laminate of an anode, a hole injecting layer made of an organic compound and

laminated in contact with said anode, a light emitting layer made of an organic compound, an

electron transport layer made of an organic compound, and a cathode, wherein said light emitting

layer is made of a carbazole compound and includes an iridium complex compound at a

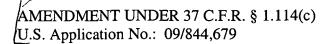
concentration of 2.9 wt% to 6 wt% so as to satisfy a luminance half-life period of more than

4000 hours in a luminance half-life period characteristic of the organic electroluminescence

element with respect to a concentration of the iridium complex compound in the light emitting

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layer made of the carbazole compound wherein said light emitting layer includes an iridium complex compound at a concentration of 0.8 wt% to 4 wt%.